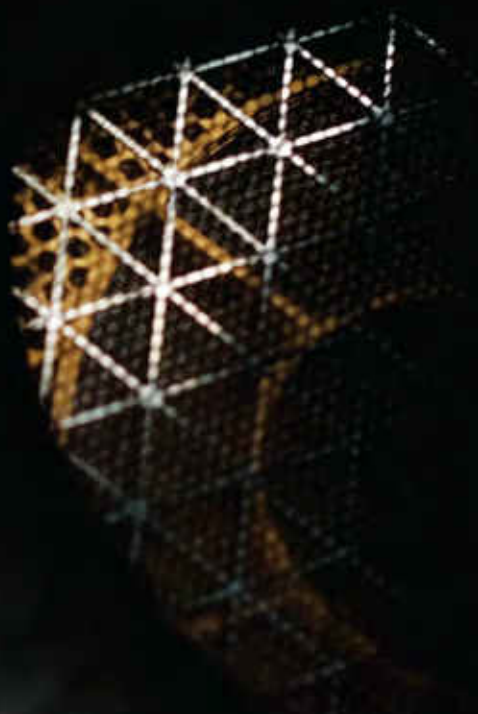


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Electrostatic headphones

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SR-X9000

Electrostatic earspeaker

SR-X9000 is the new flagship Earspeaker that marks the pinnacle of STAX electrostatic headphones journey. A major technology advancement is witnessed with the MLER3 (Multi-Layer-Elect-Rode), a four layer fixed electrode combining mesh electrodes and conventional etching electrodes that are crimped by thermal diffusion bonding.

The newly developed manufacturing technique has developed through 20 years of accumulated research and development, allowing a rigid structure that is resistant to resonant while easily evolving the transmission characteristics of sound compared too conventional multi-layer fixed electrodes. It is also a product development story - the circular metal mesh once mounted on the SR-X was one of the ideal electrodes to reduce the effects of air resistance and reflection and increase sound permeability. However, there was a big hurdle in installing metal mesh electrodes in products because they lack strength and were resonant-prone that caused playback sound to become muddy.

In the 1990s, the original SR-Q was developed with the goal of increasing the size of the metal mesh. However, the manufacturing technique was in its infancy as it was impractical to mass produce as they were unstable. in fact, there were only a handful of SR-Q ever made. The SR-X9000 diaphragm is made of ultra-thin engineering film that is 20% larger than the previous flagship model, SR-009S. The diaphragm mass has been reduced to create a lightning-fast reaction speed and high frequency response range that elevates headphone listening to a whole new level.



SR-L700MK2

Electrostatic earspeaker

The rationale in the development of the new SR-007MK2 Earspeaker was to provide deep powerful sound previously unobtainable in Earspeakers. STAX engineers developed a unique new electrode structure. Visible through the outer case the electrode is gold plated on the outer edge and has no holes unlike conventional STAX Earspeakers. Thus providing an increased diaphragm area for vibrations allowing for rich and powerful sound, yet retaining the delicate STAX sound it is famous for. To maintain clear distortion free sound it is most important that nothing other than the diaphragm should vibrate. Within the STAX SR-007MK2 the sound element is encased in a thick insulated resin case firmly fixed to the rigid body. The results are nothing short of spectacular. Utmost comfort for maximum enjoyment of your STAX SR-007MK2 is provided with earpads that are fully adjustable to the shape of your head that are made of genuine sheep skin. The STAX SR-007A headphone is the updated version of the classic SR-007 "Omega II", with a silver finish normally only found in Japan. The sound is the warmest, lushest sound of any STAX with an emphasis on the mid-to-lower frequencies without a loss of high end detail.



Adopts the MLER multi-layer fixed electrode used in high-end machines



Aluminum case holder (Common to SR-L700 MK2)



SR-L500MK2

Electrostatic earspeaker

The advanced Lambda series mid-range earspeaker, SR-L500MK2 has evolved in the same way as the SR-L700MK2. using an aluminum section for the detachable cables, to improve fit of earpads and overall usability. Hand selected thin-film diaphragm as well as tough stainless fixed electrodes is further employed., delivering a rich deep bass response, delicate high frequency and soothing mid-range. The headband (ARC) assembly is equipped with the 10-click slider mechanism for head pad height adjustment. This enables you to enjoy hours of pleasant music listening with utmost comfort.



SR-L300

Electrostatic earspeaker

The L300 is a great introduction to the world of electrostatic sound reproduction, with its trademark detail, openness, and fluidity. The L300 has a balanced presentation that leans a bit toward the midrange. Tough fixed electrodes machined through stainless photo

etching has also been employed for the SR-L300. Thus rich deep bass response, delicate high-frequency and smoothing mid-range have been realized in a balanced manner. The arc assembly is equipped with a slider for headpad height adjustment. OFC cable is used for the core wires and the whole cable uses special wide parallel structure to lower the capacitance between each wire strand.



SR-003MK2

The SR-003MK2 is a 5-pin PRO bias type in-the-ear earspeaker, and can be used by connecting to a driver unit having 5-pin PRO bias output socket. The redesigned ear canal type structure of the SR-003 enables you to enjoy excellent electrostatic sound quality without covering your ears. It comes with a redesigned earpiece with 3 sizes of silicone ear buds. Compared to the S-001/MK2, it is 15% lighter thus, delivering better resolution, transparency and a purer performance.

PORTABLE PAIRING

SR-003MK2 + SRM-D10

This is a minimal system that combines the SRM-D10 with STAX in-ears, the SR-003MK2. The use of a 5-pin connector allows upgrades by replacing the headphones. The SSR-003MK2 was developed without changing its core function as a condenser type product and it can be worn as a regular pair of earphones. This combination though is a handy powerhouse system that delivers a vast sound field in a personal environment.



SRM-D10

Portable Driver Unit for Earspeakers

The SRM-D10 is the world's first compact electrostatic amp/-DAC. Now, you can enjoy the freedom of using all modern Stax electrostatic headphones (PRO bias) anywhere you go. The built-in high-resolution DAC is capable playing up to DSD128 files.

- Compact electrostatic headphone amp/DAC
- Battery-powered, rechargeable Li-ion built-in battery pack
- High-resoluton Digital-to-Analog converter, supports up to DSD128
- User selectable line-in and USB DAC
- All-aluminum chassis

Driver Unit



SRM-T8000

vacuum tube input driver unit for electrostatic earspeakers

A dedicated driver is essential to drive an earspeaker that can apply voltage to an ultra-thin vibrating membrane of just a few microns, and can reproduce even the smallest level of music signal. Presenting the SRM-T8000, STAX flagship driver and industry award-winning model. STAX only uses the prefix 'T' on models that are top of the line Stax products and the SRM-T8000 is without question, the best driver in this category. The SRM-T8000 is Stax's latest flagship electrostatic headphone amplifier utilizing hybrid technology. It employs two 6922 in the input stage, driving a Class-A solid-state output stage. The vacuum tubes are isolated in a separate section made of a vibration-proof damper and shield cover to eliminate vibration and noise. The high-capacity large toroidal transformers and selected high-quality parts allow the highest refinement in sound.



Low noise, high audio quality vacuum tube "6922"



High-capacity toroidal transformer



XLR input terminal



High grip large aluminum insulator

High-quality parts are luxuriously introduced

SRM-700T

vacuum tube output driver unit For electrostatic earspeaker

Released in late 2020, the SRM-700T is a hybrid electrostatic headphone driver. Inspired by their flagship model SRM-T8000, the 700T uses solid-state FET as a driver stage and vacuum tube as the output stage.

The first stage is a custom-made low-noise dual FET while the second stage is a clear, high slew-rate vacuum tube 6SN7. The tube output offers warm and spacious music reproduction.

Together, this hybrid design delivers a wonderfully precise, detailed sound with overtones of tube warmth. A great combination.

- 6SN7 achieves a highly transparent sound
- Non-inductive winding resistors with the least inductance
 - High-definition film capacitors
 - Hand-selected matching FET
 - EMI shielded volume control
- Volume control bypass switching
- Switchable RCA and XLR inputs. RCA parallel out.
- Features newly developed large-sized aluminium insulators, combined with new vibration-proof material plus high frictional coefficient.



TUNG-SOL GT tube "6SN7"



Vishay High Quality Resistance



German WIMA Film Capacitor (700S Common)



Volume Bypass Switch (700S Common)



SRM-700S

driver unit for electrostatic earspeakers

Released October 2020, the newly designed SRM-700S is an electrostatic headphone driver from STAX Audio, which utilises fully discrete dual FET circuitry.

The output of the J-FET and the large current emitter follower circuit are low noise, meaning that accurate music reproduction is delivered without missing any of the fine details.

The amplification stage has a new semiconductor driver with J-FET, whilst the custom-made, dual FET is also incredibly low-noise.

Perfect for STAX electrostatic earspeakers, allowing the precise detail of your music to shine through.

- Power transistor array features effective heat dissipation via large-sized heat sink
 - High-definition film capacitors
 - Hand-selected matching FET
 - EMI shielded volume control
- Volume control bypass switching
- Switchable RCA and XLR inputs. RCA parallel out.
- Features newly developed large-sized aluminium insulators, combined with new vibration-proof material plus high frictional coefficient.



Main board with large heat sink



Uses FETs with carefully selected pair to match characteristics (700T common)



Volume unit with shield case (700T common)



Parallel out (700T common)



SRM-500T

STAX introduces a new vacuum tube output driver unit "SRM-500T", the successor model of "SRM-006tS". STAX custom-made low noise DUAL FET is installed on First Stage and the vacuum tube is installed on Output Stage. STAX continued to use the traditional circuit design which is perfect for STAX vacuum tube driver and improved the power efficiency. Finally SRM-500T achieved the sound quality improvement.



SRM-400s

STAX is proud to introduce a new semiconductor driver unit SRM-400S as the successor model of SRM-353X. A STAX custom-made low noise DUAL FET is installed on First Stage and additional FETs are also installed on last stage. SRM-400S follows the design and the manufacturing method of the high end model SRM-700S, in which the amplifier high quality FETs are installed in all stages. The characteristics of the right and left FETs are measured strictly and the selected FETs installed in 400S are also featured in SRM-700S. In addition to the conventional power transformer for the high voltage circuit, the newly designed power transformer with winding for a low voltage circuit is installed in SRM-400S. The low voltage winding enables to improve the power efficiency and achieves further power saving and better sound quality than what was featured in older driver units such as SRM-353X.



SRM-D50

The SRM-D50 is a high-performance electrostatic driver and Digital-To-Analog converter, inspired by the battery-powered SRM-D10. With an elegant all-in-one design, the D50 creates a simple solution for music lovers to experience the legendary sound of stax earspeakers. The SRM-D50 offers a complete electrostatic experience to plug-and-play on any desktop or audio rack. All you need is a USB or coaxial or digital audio connection, and you are good to go.

- Supports various digital inputs such as USB, optical, and coaxial digital input
- Built-in DAC supports high resolution up to PCM 32/384 KHz or DSD 5.6
- VU meter displays input strength
- 4 mm thick nonmagnetic aluminum cover.
- R core power transformer with less leakage flux



SRM-D10

The SRM-D10 is the world's first compact electrostatic amp/DAC. Now, you can enjoy the freedom of using all modern Stax electrostatic headphones (PRO bias) anywhere you go. The built-in high-resolution DAC is capable of playing up to DSD128 files.



SR-009S

Electrostatic earspeaker

The SR-009 earspeaker was the electrostatic earspeaker that inspired the next generation of high fidelity listeners. With improved bass response and a tamed treble peak relative to the original SR-009, the SR-009S is STAX's latest effort to produce the world's best headphone. With updated drivers, pads, and other housing pieces, the SR-009S is a step forward while still retaining much of the character of the original.

If the fixed electrode becomes infinitely thinner, the air resistance will be decreased and the permeability of sound waves will be improved. On the other hand, thinner electrodes are poor in rigidity and suffer from vibrations of their own and the sound becomes muddy. The SR-009S evolved further the electrode established in the SR009 with the use of more advanced technology.

The edges of electrode hole were smoothed through after-etching processing to reduce air resistance, and the permeability of sound has been much more improved. Moreover, gold plating processing with large specific gravity further decreased the electrode vibration. Finally, the sound clarity was achieved by reducing the resistance of electrode itself.

The high-purity copper developed from the necessity of wiring large-scale integration circuits is also known as high-quality audio cables. High-purity copper wire of 99.9999% (6Nines) purity adopted for the cable is further silver-coated and finished with the most suitable structure to drive the earspeaker.



SR-007_{MK2}

Electrostatic earspeaker

The rationale in the development of the new SR-007MK2 Earspeaker was to provide deep powerful sound previously unobtainable in Earspeakers. STAX engineers developed a unique new electrode structure. Visible through the outer case the electrode is gold plated on the outer edge and has no holes unlike conventional STAX Earspeakers. Thus providing an increased diaphragm area for vibrations allowing for rich and powerful sound, yet retaining the delicate STAX sound it is famous for. To maintain clear distortion free sound it is most important that nothing other than the diaphragm should vibrate. Within the STAX SR-007MK2 the sound element is encased in a thick insulated resin case firmly fixed to the rigid body. The results are nothing short of spectacular. Utmost comfort for maximum enjoyment of your STAX SR-007MK2 is provided with earpads that are fully adjustable to the shape of your head that are made of genuine sheep skin.

The STAX SR-007A headphone is the updated version of the classic SR-007 "Omega II", with a silver finish normally only found in Japan. The sound is the warmest, lushest sound of any STAX with an emphasis on the mid-to-lower frequencies without a loss of high end detail.



SR-007A

Specifications



SR-X9000



SR-009S



SR-007A



SR-L700 MK2



SR-L500 MK2



SR-L300



SR-003 MK2

Type	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"	"push-pull electrostatic condenser, open back enclosure"
Unit	Large Circular	Large Circular	Mid Circular	Oval	Oval	Oval	Oval
Electrode	MLER2	MLER2	Low resonance epoxy electrode	MLER	High precision etching electrode	High precision etching electrode	High precision etching electrode
Frequency Response	5 - 42,000Hz	5 - 42,000Hz	6 - 41,000Hz	7 - 41,000Hz	7 - 41,000hz	7 - 41,000hz	7 - 41,000hz
Electrostatic Capacitance^1	110pF	110pF	94pF	110pF	110pF	110pF	110pF
Impedance^2	145kΩ	145kΩ	170kΩ	145kΩ	145kΩ	145kΩ	145kΩ
Sound pressure sensitivity^3	101dB	101dB	100dB	101dB	101dB	101dB	101dB
Bias Voltage	DC580V	DC580V	DC580V	DC580V	DC580V	DC580V	DC580V
Cable	Silver-coated 6N (99.9999%) ,OFC	Silver-coated 6N (99.9999%) ,OFC	HiFC ℥ 4	Silver-coated 6N (99.9999%) ,OFC	HiFC ℥ 4	OFC	OFC
Cable Shape	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"	"parallel 6-strand low-capacity special wide cable"
Cable length	2.5m	2.5m	2.5m	2.5m	2.5m	2.5m	2.5m
Earpad	leather (inside), artifical leather outside	leather (inside), artifical leather outside	leather (inside), artifical leather outside	leather (inside), artifical leather outside	faux leather	faux leather	faux leather
Weight (without cable)	441g	441g	365g	371g	351g	322g	322g
Weight (including cable)	583g	583g	512g	508g	479g	448g	40g
JAN	4996 4760 00858	4996 4760 00858	4996 4760 00445	4996 4760 00933	4996 4760 00940	4996 4760 00773	4996 4760 00728

^1 Includes attached cable ^2 A t 10kHz, includes attached cable ^3 100V r.m.s/1kHz ℥4 HiFC is a registered trademark



SRM-T8000



SRM-700T



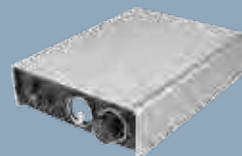
SRM-700S



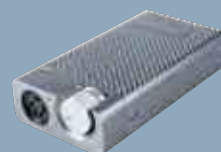
SRM-500T



SRM-400S



SRM-D50



SRM-D10

Type	High output driver unit with first stage vacuum tube	Vacuum tube	Semiconductor	Vacuum tube	Semiconductor		Semiconductor
Vacuum Tube	Electro Harmonix 6922 ×2	Tung-Sol 6SN7 x 2	-	Electro Harmonix 6FQ7/6CG7 ×2	-	-	-
Frequency Reponse	1 - 115,000Hz	DC - 100,000Hz	DC - 100,000Hz	DC - 90,000Hz	DC - 90,000Hz	20 - 40,000Hz	20 - 40,000Hz
Gain	60dB	60dB	60dB	60dB	60dB	59dB	53dB
Harmonic distortion ^5	0.01% or less	0.01% or less	0.01% or less	0.01% or less	0.01% or less	0.025% or less	0.025% or less
Input Impedance	50kΩ (RCA), 50kΩ x 2 (XLR)	50kΩ (RCA), 50kΩ x 2 (XLR)	50kΩ (RCA), 50kΩ x 2 (XLR)	50kΩ (RCA), 50kΩ x 2 (XLR)	50kΩ (RCA), 50kΩ x 2 (XLR)	20kΩ (RCA)	10kΩ (Line in)
Maximum output voltage ^6	470m Vr.m.s	340m Vr.m.s	450m Vr.m.s	300m Vr.m.s	400mV r.m.s	400mV r.m.s	200Vr.m.s
Bias Voltage	DC580V	DC580V	DC580V	DC580V	DC580V	DC580V	DC580V
Operating temperature	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*	0 to 35 degrees Celcius*
Input Terminal	RCA × 2, XLR × 1, Expansion slot × 1	RCA × 2, XLR × 1	RCA × 2, XLR × 1	RCA × 1, XLR × 1	RCA × 1, XLR × 1	RCA x 1	Micro USB x 1 (PCM384kHz/DSSD5.6MHz), 3.5mm x1
Output Terminal	Parallel out x 1	Parallel out x 1	Parallel out x 1	Parallel out x 1	Parallel out x 1	-	-
Power Consumption	95W	54W	46W	38W	30W	35W	6.4W / USB-5W / Line in
Dimensions	320W x 103H x 395D (mm)	240W x 103H x 393D (mm)	240W x 103H x 393D (mm)	195W x 102H x 376D (mm)	195W x 102H x 376D (mm)	192W x 67H x 268D (mm)	75W x 32H x 141D (mm)
Weight	7.3KG	5.7KG	6.3KG	3.4KG	3.4KG	450g	450g
Accessories	RCA cable x 1, AC cable x 1	RCA cable x 1, AC cable x 1	RCA cable x 1, AC cable x 1	RCA cable x 1, AC cable x 1	RCA cable x 1, AC cable x 1	RCA cable x 1, AC cable x 1	USB(A-microB), 3.5mm x 1, AC adapter x 1
JAN	4996 4760 00834	4996 4760 00957	4996 4760 00964	4996 4760 01015	4996 4760 01022		4996 4760 00896

^5 1kHz,100Vr.m.s ^6 1kHz ℥7 Including protrusions

*less than 90% humidity, non condensing

